

WHAT IS CLAIMED IS:

1. A load terminal assembly for use in a circuit breaker, comprising:
a main load terminal to connect a bimetal strip to the conductive cable; and
a load brace located on top of the main load terminal, and having at least one
tab extending past the to fit into a corresponding pocket of a circuit
breaker housing.
2. The terminal assembly of claim 1, wherein the load brace has two tabs,
extending past the main load terminal to fit into two corresponding pockets of the
circuit breaker housing.
3. The terminal assembly of claim 1, wherein the armature is a conductive
material.
4. The terminal assembly of claim 1, wherein the main load terminal includes a
first arm and a second generally parallel to the first portion, the first arm and the
second arm being connected by a curved bend.
5. The terminal assembly of claim 4, wherein the first arm and the second arm
determine the elevation in which the main load terminal enters a trip unit housing.
6. The terminal assembly of claim 4, wherein the brace includes a first end and a
second end generally perpendicular to the first end.
7. The terminal assembly of claim 6, wherein the first end of the brace abuts the
first arm of the main load terminal such as to create a gap between the second end of
the brace and the curved bend of the main load terminal.
8. The terminal assembly of claim 1, further comprising an armature pivot
coupled to the load terminal brace in place after assembly.

9. The terminal assembly of claim 8, wherein the armature pivot includes a rib for holding the load terminal brace in place.

10. The trip assembly of claim 9, wherein the rib includes a protrusion to hold the load terminal brace onto the main load terminal.

11. A method of assembling a terminal assembly for use in one of a plurality of circuit breakers, the method comprising:

providing a main load terminal;

providing a load terminal brace having at least one tab extending out past a
5 formed end;

placing the load terminal brace over the main load terminal such that the at
least one tab extends out past the main load terminal; and

inserting the at least one tab into at least one aperture in a circuit breaker
housing.

12. The method of claim 11, wherein said load brace has two tabs, and the method further comprises inserting each of the two tabs into corresponding apertures in the circuit breaker housing.

13. The method of claim 11, wherein providing the includes providing a first portion and a second portion generally parallel to the first portion, and connecting the first portion and the second portion by a curved bend.

14. The method of claim 13, wherein providing the brace includes providing a first end and a second end generally perpendicular to the first end.

15. The method of claim 14, wherein placing the load terminal brace over the main load terminal comprises laying the first end of the brace over the first portion of the main load terminal such that a gap is created between the second end of the brace and the curved bend of the main load terminal.

16. The method of claim 11, further comprising coupling a holding member to the load terminal brace.

17. The method of claim 16, wherein the coupling comprises using a protrusion on the holding member to hold the load terminal brace onto the main load terminal.

18. A terminal assembly for use in a circuit breaker, comprising:

a first member; and

a second member abutting the first member, the second member including a pair of protruding arms to be inserted into a corresponding pair of recesses in a circuit breaker housing, such that the pair of protruding arms brace the first member against rotational force.

19. The terminal assembly of claim 18, wherein the first member is adapted to be electrically coupled to a bimetal strip in the circuit breaker housing.

20. The terminal assembly of claim 18, further comprising a holding member adapted to hold the second member against the first member.

21. A terminal assembly for use in a circuit breaker, comprising:

a means for connecting a bimetal strip to a conductive cable; and

a means for bracing the connecting means and the bimetal strip against rotational movement, the bracing means including means for inserting into a housing of the circuit breaker, the means for inserting adapted to withstand rotational forces.

22. The terminal assembly of claim 21, wherein the connecting means includes a first arm and a second arm substantially parallel to the first arm, the second arm connected to the first arm with a curved bend.

23. The terminal assembly of claim 22, wherein the bracing means includes a first end and a second end substantially perpendicular, the bracing means is adapted to be placed on top of the means for connecting such that the first end abuts the first arm of the connecting means and there is a gap between the second end and the curved bend.

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